

Abstract of the Disclosure

is described
TSS 6/27/01 A method for modifying ~~and controlling fluid flow in channels formed in substrates~~ preformed channels fabricated in a variety of substrate materials including PMMA. The
method involves exposing a portion of a fluid flow channel to light at a fluence ^{and wavelength} which modifies ^{modulate} electroosmotic flow in channels or to
the surface charge of the substrate at the exposure site. The method can be used to immobilize chemical compounds or biological species in the fluid flow channels at the modified surfaces.
The method can be used to fabricate or modify microfluidic systems

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